

What is claimed is:

1. A data decoding apparatus, comprising:  
an additional data detecting means for  
detecting additional data from an encoded data stream  
5 including encoded data and additional data;  
an additional data deleting means for deleting  
said additional data from said encoded data stream,  
an additional data flag generating means for  
generating an additional data flag indicating a type and  
10 a position of said detected additional data based on said  
detection result, and  
a decoding means for carrying out predetermined  
processing with respect to the encoded data stream from  
which said additional data is deleted based on said  
15 generated additional data flag and performing to decode  
the encoded data stream.
2. A decoding apparatus as set forth in claim 1,  
wherein said additional data flag generating means  
selects additional data required in the decoding in said  
20 decoding means from said detected additional data and  
generates said additional data flag with respect to only  
the related selected additional data.
3. A decoding apparatus as set forth in claim 2,  
wherein;  
25 said encoded data is encoded data utilizing a

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differential value from predetermined reference data,

said additional data is control data for  
resetting said reference data, and

said decoding means resets the reference data  
5 at a predetermined position specified by said additional  
data flag with respect to said encoded data stream and  
decodes the encoded data utilizing said differential  
value.

4. A decoding apparatus as set forth in claim 3,  
10 wherein;

said encoded data stream is a data stream  
obtained by processing a desired still image for every  
predetermined unit area by discrete cosine  
transformation, quantization, variable length coding,  
15 insertion of predetermined additional data, and  
transformation to a series of fixed length data having a  
predetermined bit length, and

said decoding means extracts said variable  
length coded data from said data stream, decodes said  
20 encoded data by variable length decoding, and restores  
the series of the discrete cosine transformed and  
quantized data.

5. A decoding method, comprising the steps of:  
detecting additional data from an encoded data  
25 stream including encoded data and additional data;

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deleting said additional data from said encoded data stream, generating an additional data flag indicating a type and a position of said detected additional data based on said detection result; and

5 carrying out predetermined processing with respect to the encoded data stream from which said additional data is deleted based on said generated additional data flag to decode the encoded data stream.

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6. A decoding method as set forth in claim 5,  
10 wherein said generation of additional data flag comprises selecting additional data required in the decoding from said detected additional data and generating said additional data flag with respect to only the related selected additional data.

15 7. A decoding method as set forth in claim 6, wherein;

said encoded data is encoded data utilizing a differential value from predetermined reference data,

said additional data is control data for  
20 resetting said reference data, and

said decoding comprises the steps of  
resetting the reference data at a  
predetermined position specified by said additional data flag with respect to said encoded data stream, and

25 decoding the encoded data utilizing said

differential value.

8. A decoding method as set forth in claim 7,  
wherein:

5       said encoded data stream is a data stream  
obtained by processing a desired still image for every  
predetermined unit area by discrete cosine  
transformation, quantization, variable length coding,  
insertion of predetermined additional data, and  
transformation to a series of fixed length data having a  
10   predetermined bit length, and  
      said decoding comprises the steps of  
          extracting said variable length coded data  
from said data stream,  
          decoding the related encoded data by  
15   variable length decoding, and  
          restoring the series of the discrete  
cosine transformed and quantized data.

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